Bruhath Bengalore Mahanagara Palike Dasarahalli Zone

Name of work:Improvements of Asphalting At 6th,7th And Others Roads Santhoshnagara in Mallasandra Ward No 13 Shettyhalli Sub Division

B NUMBER.: SI-2 **Est. Amount =** 30.00 **Lakhs**

o		Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3								
	7th Cross Santhosh nagara	Sqm	1	191.00	5.30		1012.30		
	cross Road from 7th cross		1	27.00	6.50		175.50		
						Total Qty	1187.80	95.40	113316.12
	KSRRB M300-14. Excavation for roadwork in all types of soil by Machanical Means including cutting and loading to tippers,trimming bottom and side slopes, in accordance with requirements of lines,grades and cross sections, and transporting with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No-143 Item no - 19.14 of KPWD SR 2018-19)..								
	6th Cross Santhosh nagara	Cum	2	224.00	1.15	0.30	154.56		
	7th Cross Santhosh nagara		1	191.00	5.40	0.30	309.42		
	cross Road from 7th cross		1	27.00	6.50	0.30	52.65		
						Total Qty	516.63	56.26	29065.60
	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3								
	6th Cross Santhosh nagara	Sqm	2	224.00	1.15		515.20		
	7th Cross Santhosh nagara		1	191.00	5.40		1031.40		
	cross Road from 7th cross		1	27.00	6.50		175.50		
						Total Qty	1722.10	6.36	10952.56
	KSRRB 300-66. Extra for rolling to specification with the use of vibratory roller when earth is at suitable moisture content with desired field density not less than 100% of maximum dry density (modified heavy proctor test) including HOM of machineries complete as per specifications. MORTH / Chapter 3								
	6th Cross Santhosh nagara	Cum	2	224.00	1.15	0.30	154.56		
	7th Cross Santhosh nagara		1	191.00	5.40	0.30	309.42		
	cross Road from 7th cross		1	27.00	6.50	0.30	52.65		
						Total Qty	516.63	13.78	7119.16
	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 (Page No-158 Item no - 20.18 of KPWD SR 2018-19).								
	6th Cross Santhosh nagara	Cum	2	224.00	1.15	0.23	118.50		
	7th Cross Santhosh nagara		1	191.00	5.40	0.23	237.22		
	cross Road from 7th cross		1	27.00	6.50	0.23	40.37		

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						Total Qty	396.08	2001.28	792672.99
	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH Specification No. 502 (Page No-161 Item no - 21.6 of KPWD SR 2018-19)								
	6th Cross Santhosh nagara	Sqm	2	224.00	1.15		515.20		
	7th Cross Santhosh nagara		1	191.00	5.40		1031.40		
	cross Road from 7th cross		1	27.00	6.50		175.50		
						Total Qty	1722.10	36.04	62064.48
7	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
	6th Cross Santhosh nagara	Cum	2	224.00	1.15	0.05	25.76		
	7th Cross Santhosh nagara		1	191.00	5.40	0.05	51.57		
	cross Road from 7th cross		1	27.00	6.50	0.05	8.78		
						Total Qty	86.11	7721.04	664820.15
8	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 (Page No-161 Item no - 21.2 of KPWD SR 2018-19).								
	6th Cross Santhosh nagara	Sqm	1	224.00	5.00		1120.00		
	7th Cross Santhosh nagara		1	191.00	5.40		1031.40		
	cross Road from 7th cross		1	27.00	6.50		175.50		
						Total Qty	2326.90	5.30	12332.57
9	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH (Page No-161 Item no - 21.7 of KPWD SR 2018-19).								
	6th Cross Santhosh nagara	Sqm	1	224.00	5.00		1120.00		
	7th Cross Santhosh nagara		1	191.00	5.40		1031.40		
	cross Road from 7th cross		1	27.00	6.50		175.50		
						Total Qty	2326.90	14.84	34531.20
10	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4 % VG-30 Bitumen								
	6th Cross Santhosh nagara	Cum	1	224.00	5.00	0.04	44.80		
	7th Cross Santhosh nagara		1	191.00	5.40	0.04	41.26		
	cross Road from 7th cross		1	27.00	6.50	0.04	7.02		
						Total Qty	93.08	8980.32	835852.26
								Total Constrution cost	2562727.09
								GST Charges 12%	307527.25
								KRDL Charges 4.5%	129161.45

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Sub Total	2997758.58
Miscellaneous & Rounding Off	2241.42
Grand Total	3000000.00

(Rupees Thirty Lakhs Only)

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year ~~2014-15~~ 2018-19
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub - Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Zone
BBMP - Bangalore

ಸಂ. EE/DD/As/18/ 18-19 ದಿನಾಂಕ: 24/11/18
ರೂ. Rs. 30 Lakh (Thirty Lakh only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Proj ?
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/D2/15/31/18-19 ದಿನಾಂಕ : 15/12/2018
ರೂ. Rs. 30: lakhs only (Rs Thirty lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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